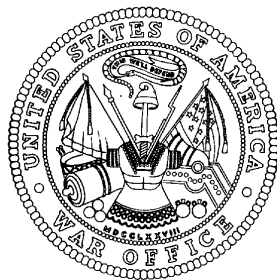


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JOINT PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

ELECTRONIC SITES
AT
SARY TASH
AND
20 nm ESE OF MURGAB
U S S R



ARMY



CIA



NAVY

HTA/JM - 17/58

17 JULY 1958

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ELECTRONIC SITES

AT

SARY TASH

AND

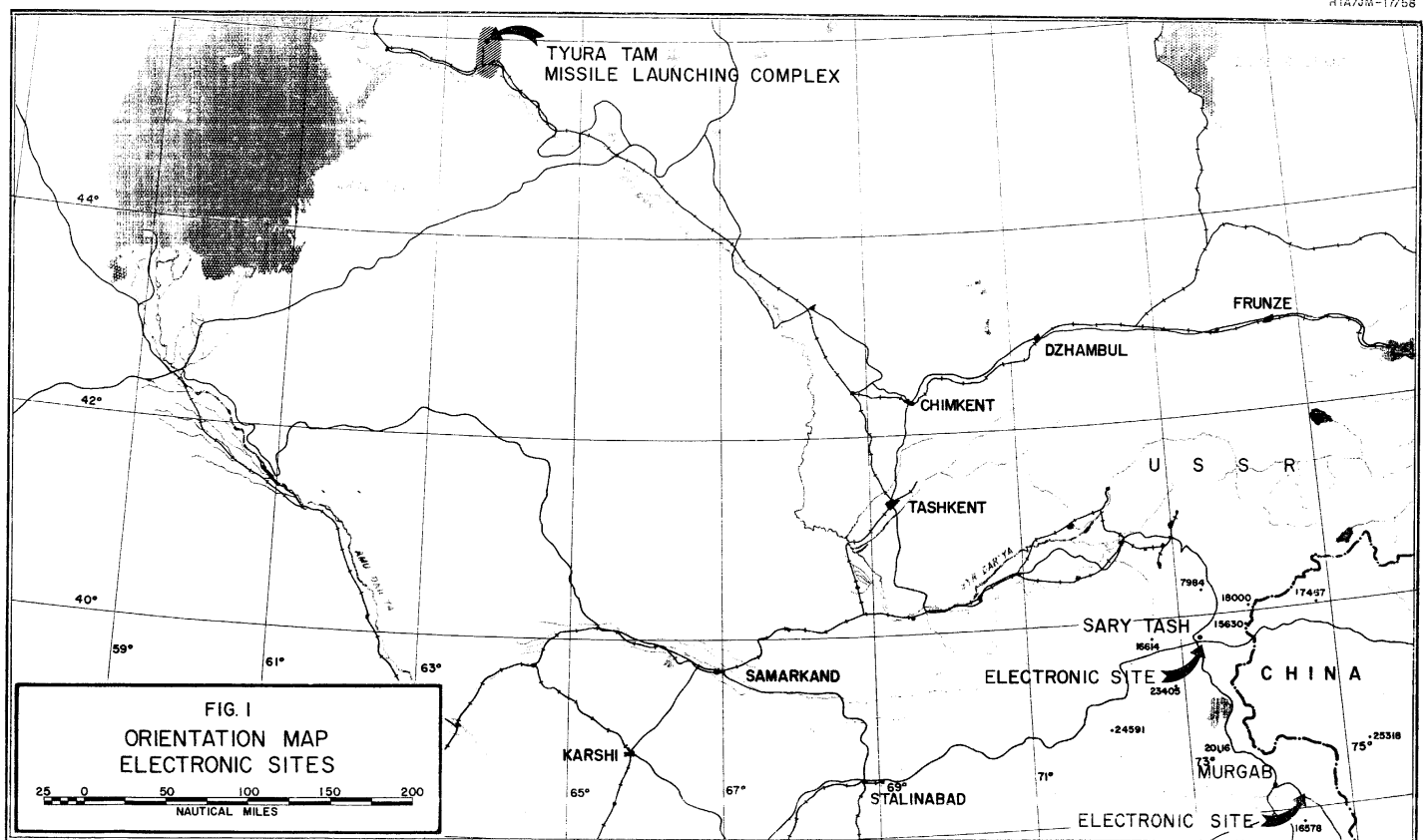
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INTRODUCTION

Two unusual electronic sites are located in the mountainous region of south-central USSR bordering China (figure 1). These sites, separated by a distance of approximately 100 nautical miles, are covered by good quality vertical photography resulting from two separate [REDACTED] missions. One site, covered on [REDACTED] is located 2.6 nautical miles south of Sary Tash. The other, covered on [REDACTED] is located along the Ak-Su River, about 20 nautical miles east-southeast of Murgab.

25X1D

25X1D

SUMMARY AND CONCLUSIONS

The Sary Tash and Murgab electronic sites are characterized by relative isolation, by an apparent lack of security, and by the presence of both fixed and mobile facilities, radar units, and conventional support structures. The Sary Tash site also contains a possible communication facility.

The specific function or interrelationship of these two sites cannot be determined from photography. However, the fact that both are similar in number and type of facilities suggests they may perform similar missions. Moreover, it might be significant that the possible communication facility at Sary Tash is apparently oriented toward the Tyura Tam Missile Launching Complex.

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SARY TASH ELECTRONIC SITE

The Sary Tash electronic site (figures 2 and 3), located at 39° 42' N/ 73° 14' E, covers approximately 190 acres and contains two revetted radars with associated vehicles, a possible communication facility, and five major support buildings. It is situated in a relatively isolated area and is characterized by an apparent lack of security. Access into the area is provided by unimproved dirt roads leading from a new, hard-surfaced highway running south from Sary Tash. Although there is some evidence of construction activity within the site, it appears to be operational. A detailed description of facilities within the site follows (item numbers correspond with those used on figure 2).

Item 1 - Possible communication facility located at the southeast extremity of the site. This facility consists of eight possible poles arranged in a semicircle, one unoccupied revetment measuring [REDACTED] and one bunker under construction. Vehicle trackage connects this facility with building 9, 1500 feet to the northwest. A dimensional analysis of the semicircular arrangement of possible poles follows:

Distance between possible poles	Approx. 70 feet
Chord (between end units)	400 feet
Rise (to chord between end units)	[REDACTED]
Radius	[REDACTED]
Azimuth of perpendicular to the chord	[REDACTED]

A perpendicular bisector to the chord passes half way between the two middle possible poles [REDACTED] to the southeast, and also passes through the bunker under construction 120 feet to the northwest. The [REDACTED] azimuth, which defines a direction of possible propagation, is oriented toward the Tyura Tam Missile Launching Complex, thus suggesting a possible communication link between these areas.

Item 2 - Possible radar unit consisting of two revetted pieces of equipment. One revetment contains a possible Fire Can-type radar (van [REDACTED] and a small unidentified object. The other revetment contains an associated vehicle [REDACTED]. A cable scar connects the two revetments.

Item 3 - Radar unit consisting of one revetted Whiff-type radar (van [REDACTED] with a [REDACTED] diameter parabolic reflector), and one associated revetted vehicle [REDACTED] feet. A cable scar connects the two revetments.

Item 4 - Single-story building [REDACTED]

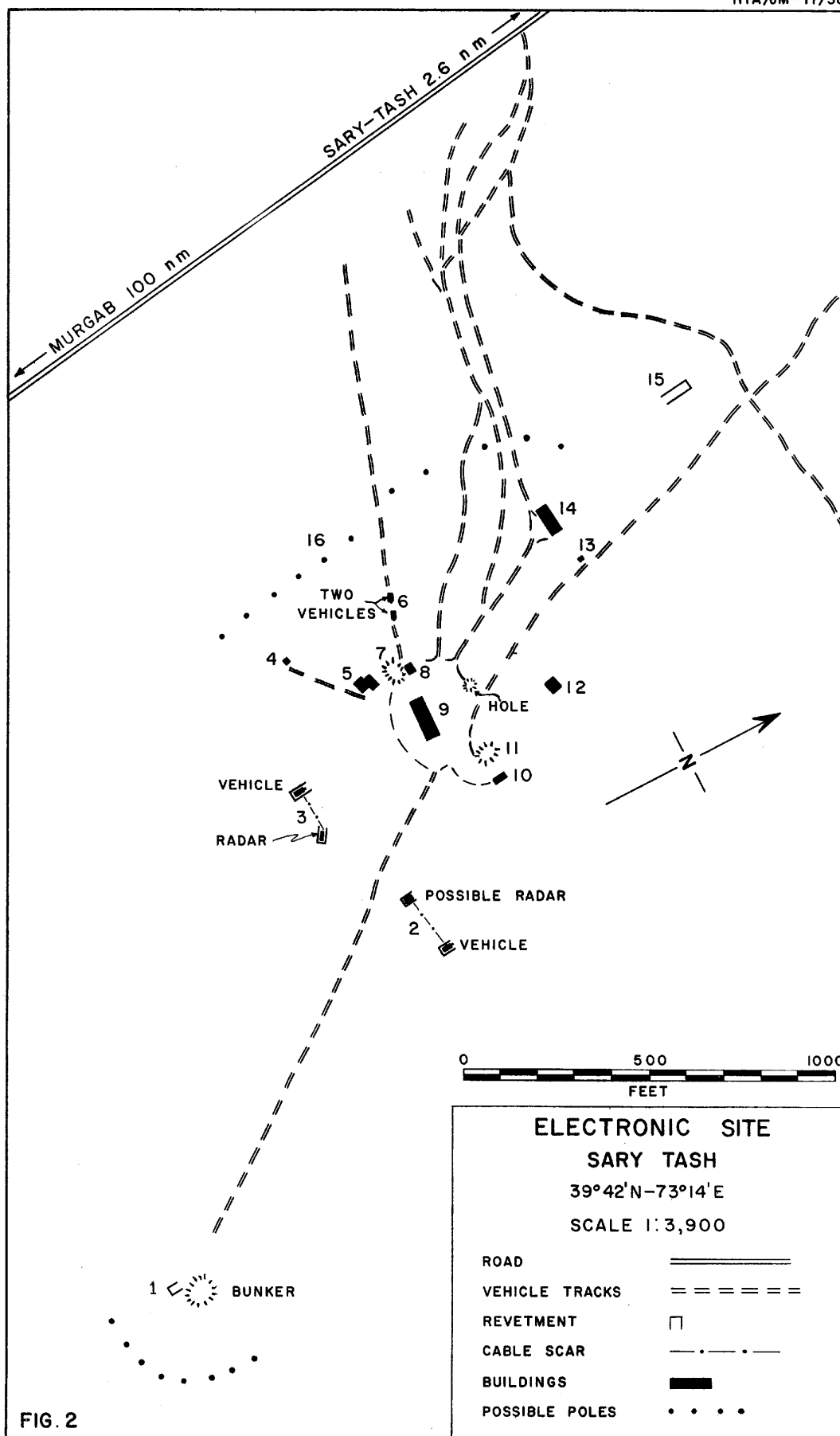
Item 5 - Irregular-shaped, single-story building covering an area of approximately 1350 square feet.



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Item 6 - Two trucks, each [REDACTED] probably used for construction purposes.

25X1D

Item 7 - Earth mound, possibly a bunker.

Item 8 - Single-story, gable-roofed building [REDACTED] feet.

25X1D

Item 9 - One and one-half story, flat-roofed building [REDACTED] feet with at least four possible roof vents. This is the largest building at the site and it appears to be the center of operations.

25X1D

Item 10 - Building, [REDACTED] feet; appears to be revetted or under construction.

Item 11 - Earth mound.

Item 12 - Single-story, gable-roofed building 30 by 25 feet.

Item 13 - Flat-roofed building [REDACTED] square, probably used as a guard check point.

25X1D

Item 14 - Large, flat-roofed building [REDACTED] feet with five possible roof vents.

25X1D

Item 15 - Unoccupied excavation, [REDACTED] feet, which is a possible revetment or building foundation.

25X1D

Item 16 - Eleven possible poles extending along the west side of the building area.

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ELECTRONIC SITE NEAR MURGAB

The electronic site near Murgab (figures 4 and 5) is situated along the north bank of the Ak-Su River at 38°04' N/74°22' E. It covers roughly 120 acres and contains one possible radar, one probable radar unit, at least seven buildings, and several tents, revetments, and vehicles. The terrain on both sides of the river valley is very mountainous and nearly void of activity. The only visible access to the site is provided by an unimproved dirt road that runs between Murgab and Tokhtamyshbeh, a distance of 40 nautical miles. No definite boundaries, fences, or other security measures are noted. Although the site contains a few incomplete buildings and new excavations, it appears to be operational. A detailed description of facilities within the site follows (item numbers correspond to those used on figure 4).

Item 1 - Fourteen tents [REDACTED] square, and one pyramidal tent 15 feet square.

Item 2 - Structure [REDACTED] square probably housing a pumping and/or water purification apparatus. Ground scars lead from this structure to the river.

Item 3 - Possible bunker or revetted building [REDACTED] square.

Item 4 - Single-story, gable-roofed building 20 by 10 feet.

Item 5 - One and one-half story, gable-roofed building [REDACTED] feet with a single-story extension [REDACTED] square at each end.

Item 6 - One and one-half story, gable-roofed building [REDACTED] feet with a single-story extension [REDACTED] square at the northeast end of the building.

Item 7 - Single-story, flat-roofed building [REDACTED]

Item 8 - Probable radar unit consisting of two revetted vehicles (a and b) [REDACTED] respectively, one possible radar (c), and one single-story, gable-roofed building (d) [REDACTED] square with a possible mast on the roof.

Item 9 - Two 45 by 15-foot excavations, probably for building foundations.

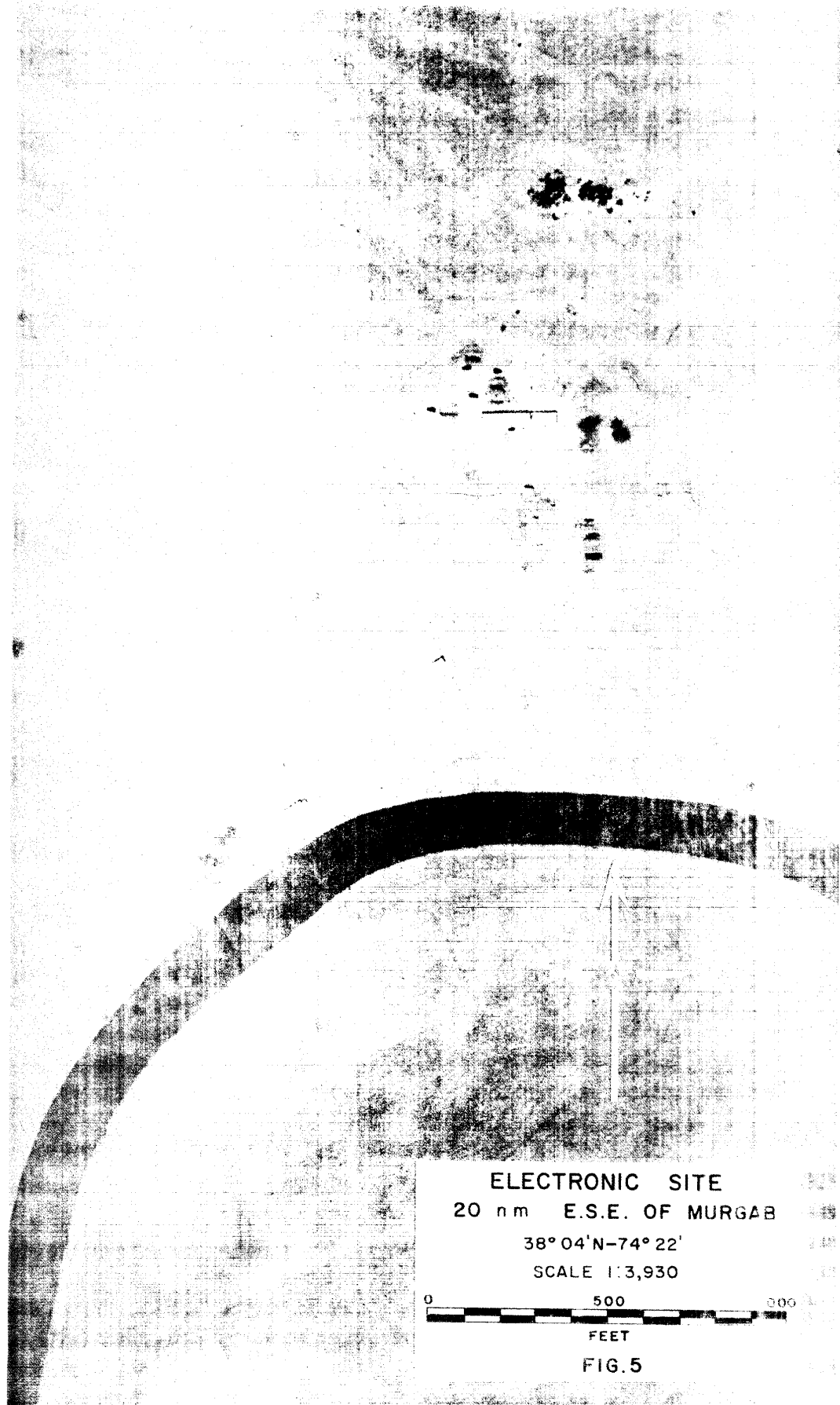
Item 10 - Vehicle [REDACTED]

Item 11 - Probable bunker at least 60 by 20 feet with entrance on east side.

Item 12 - Single-story, gable-roofed building [REDACTED] feet.

Item 13 - Possible radar unit consisting of four trucks, [REDACTED] and four unoccupied revetments probably for emplacement of the trucks.

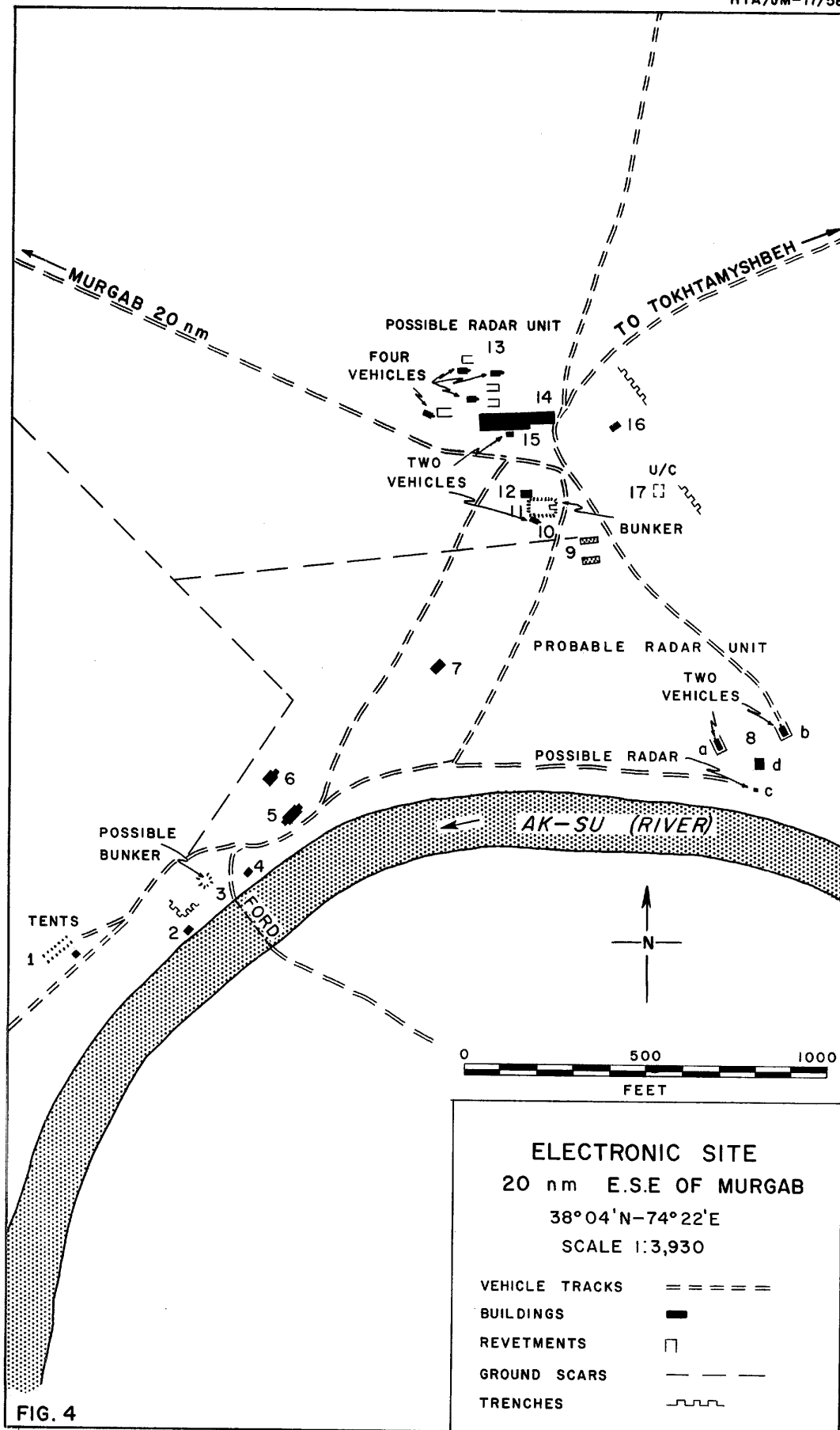
Item 14 - Two-story, gable-roofed building 135 by 40 feet with a single-story, low, gable-roofed extension [REDACTED] feet on the east side.



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- Item 15 - Truck [REDACTED]
Item 16 - Probable flat-roofed building [REDACTED] feet.
Item 17 - Probable building [REDACTED] feet under construction.

REQUIREMENTS: This Joint Photo Intelligence Memorandum has been prepared at HTAUTOMAT by the Army, Navy, and Central Intelligence Agency under Army Chairmanship. Its scope is intended to fulfill CIA requirement RR/HTA/E/R-32/57, and Navy requirement DNI(OP-922Y3) Project 22-58. It is also intended to answer partially the following Army and Central Intelligence Agency requirements: ACSI, ISO, SRI-132-1; HTA/SI/R-77/57; HTA/SI/R-55/57; HTA/RR/E/R-31/57; and HTA/RR/E/R-45/57.

MAP DATA:

USAF Jet Navigation Chart No. JN-23
AMS Series N502, No. NJ 43-1
AMS Series 1301, No. NJ 43
World Aeronautical Chart No. 335
World Aeronautical Chart No. 336

COORDINATES:

Sary Tash Site: 39° 42' N - 73° 14' E
Murgab Site : 38° 04' N - 74° 22' E

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